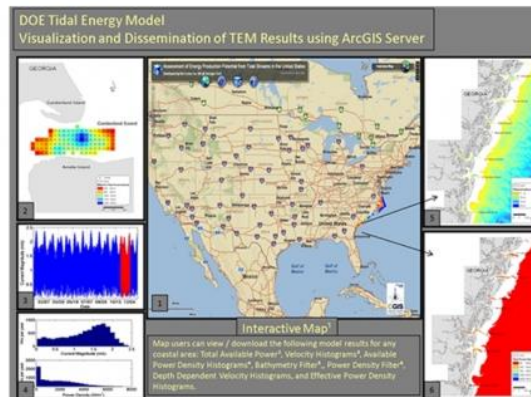


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As part of a DOE sponsored project, researchers and engineers from the College of Engineering at Georgia Tech Savannah used advanced regional ocean models to simulate tidal flows along the entire U.S. coastline. The results of this model are cumbersome and difficult to analyze. To help visualize and disseminate the results, Dr. Xuan Shi has created a nationally recognized tidal power interactive mapping site that provides information that can improve the performance, lower the costs, and accelerate the deployment of innovative water power technologies. It is the first national database detailing the potential extractable energy from the Nation's tidal streams – high velocity ocean currents created by the horizontal movement of tides. The interactive Internet GIS application allows users to zoom and pan over maps of color-coded information on water depth, mean current speed, and mean kinetic power density for tidal resources along the coasts of the contiguous United States, Alaska, and Puerto Rico. Users can produce maps on depth and power density using the database's geographic information system (GIS) tools. Additionally, users can select specific locations to build velocity and power density histograms, which are displayed as easy-to-read charts and graphs. The map viewer can be found at [www.tidalstreampower.gatech.edu](http://www.tidalstreampower.gatech.edu). Because of this project's success, DOE has is sponsoring a similar endeavor regarding the Nation's offshore currents (i.e., the Gulf Stream).

**Project Lead:**

Tony Giarrusso

**From:** Merrick, Stephanie G [mailto:stephanie.merrick@design.gatech.edu]  
**Sent:** Friday, December 02, 2016 1:19 PM  
**To:** Hay, Bernward <BHay@louisberger.com>  
**Subject:** RE: website

*Hello Bernward,*

*I spoke with Tony and he indicated that [Kevin.Haas@ce.gatech.edu](mailto:Kevin.Haas@ce.gatech.edu) is the PI for the project and that he hosts the site but that it is currently down and may not be up again for a while.*

*I hope this helps.*

*Have a great weekend.*

*Best,  
Stephanie Merrick*

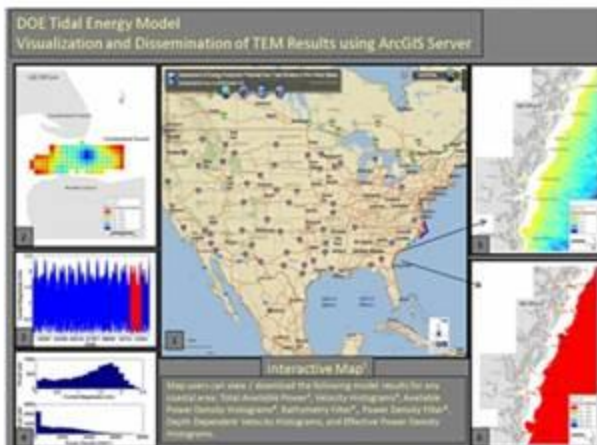
**From:** Hay, Bernward [mailto:BHay@louisberger.com]  
**Sent:** Thursday, December 01, 2016 10:28 AM  
**To:** Merrick, Stephanie G <[stephanie.merrick@design.gatech.edu](mailto:stephanie.merrick@design.gatech.edu)>  
**Subject:** website

Hi Stephanie,

The website link flagged in yellow for your GIS site does not appear to be active (see below). Could you please check with Tony to see if the name/link has changed? Thanks,

Bernward

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**Project Lead:**  
Tony Giarrusso

## Bernward Hay <sup>PhD</sup>

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